



FEMA

NATIONAL FLOOD INSURANCE PROGRAM

ELEVATION CERTIFICATE

AND

INSTRUCTIONS

2015 EDITION

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1–9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name K. Hovnanian Homes				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 175 Shelton Street				Company NAIC Number:	
City Richmond Hill		State Georgia		ZIP Code 31324	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 183 of Creekside Subdivision Phase VI					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>					
A5. Latitude/Longitude: Lat. <u>31°55'00.77"</u> Long. <u>-81°17'25.71"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number <u>1A</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A8.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>371.50</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A9.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number City of Richmond Hill 130018			B2. County Name Bryan		B3. State Georgia
B4. Map/Panel Number 13029C0291C	B5. Suffix C	B6. FIRM Index Date 05-05-2014	B7. FIRM Panel Effective/ Revised Date 03-02-2009	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 13.0
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

ELEVATION CERTIFICATEOMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 175 Shelton Street			Policy Number:	
City Richmond Hill	State Georgia	ZIP Code 31324	Company NAIC Number	
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)				
<p>For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.</p> <p>E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).</p> <p>a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the LAG.</p> <p>E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>E3. Attached garage (top of slab) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>E4. Top of platform of machinery and/or equipment servicing the building is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown. The local official must certify this information in Section G.</p>				
SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION				
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.				
Property Owner or Owner's Authorized Representative's Name				
Address	City	State	ZIP Code	
Signature	Date	Telephone		
Comments				
<input type="checkbox"/> Check here if attachments.				

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 175 Shelton Street			Policy Number:
City Richmond Hill	State Georgia	ZIP Code 31324	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption Front View

Clear Photo One



Photo Two

Photo Two Caption Rear View

Clear Photo Two

Georgia Residential Energy Code Compliance Certificate *

Address: Lot 183 Creekside
 Builder/Design Prof.: K. Hov.

Permit #: _____
 Phone: _____

Envelope Summary:

- List the R-Value for the following components:

Flat ceiling/roof: <u>R38</u>	Sloped/vault ceiling: <u>R30</u>
Exterior wall: <u>R13</u>	Above grade mass wall: <u>NA</u>
Attic kneewall: <u>NA</u>	Attic kneewall sheathing: <u>NA</u>
Basement stud wall: <u>NA</u>	Basement continuous: <u>NA</u>
Crawlspace stud wall: <u>NA</u>	Crawlspace continuous: <u>NA</u>
Foundation slab: <u>NA</u>	Floors over unconditioned space: <u>R19</u>
Cantilevered Floor: <u>R30</u>	Other insulation: <u>NA</u>

- Fenestration Components:

Window U-factor: _____	Window SHGC: _____
Skylight U-factor: <u>NA</u>	Skylight SHGC: <u>NA</u>
Glazed Door U-factor: _____	Opaque Door U-factor: _____
	(<50% glazed)

- Building Envelope Tightness (BET):

BET test conducted by: Green South Energy Solutions Phone: 721-2013
 Fan Flow at 50 Pascals = 1211 CFM₅₀ Total Conditioned Volume = 18311 ft³
 $ACH_{50} = CFM_{50} \times 60 / \text{Volume} = \underline{3.968106602588}$ ACH₅₀ (must be less than 7 ACH₅₀)
 Low Rise Multifamily Visual Inspection Option
 (The visual inspection option may be conducted by a third-party instead of the BET test for R-2 buildings only.)
 Visual inspection conducted by: NA Phone: NA

Mechanical Summary:

Water Heater Energy Factor: 93 Ef Fuel type: ☐ Gas ☒ Electric ☐ Other
 Number of Heating and Cooling Systems: 1

Heating System Type:

☐ Gas: _____ AFUE ☒ Air-Source Heat Pump: 8.2 HSPF
☐ Other: _____ Efficiency: 14

Cooling System Type (Standard DX, Heat Pump, Geothermal, etc.): Heat Pump

Cooling System Efficiency: 14 ☒ SEER ☐ EER ☐ Other

Heating/Cooling Load Calculations Performed by: _____ Phone: _____

Total Heating Load (Based on ACCA Man. J or other approved methodology): _____ Btu/h

Total Cooling Load (Based on ACCA Man. J or other approved methodology): _____ Btu/h

Cooling Sensible Load: _____ Btu/h Cooling Latent Load: _____ Btu/h

Total Air Handler CFM (based on design calculations): _____ CFM

Duct Tightness Test Conducted by: Green South Energy Solutions Phone: 912-721-2001

CFM₂₅ per 100 ft² of conditioned floor area = $CFM_{25} \times 100 / \text{Conditioned floor area served}$

If all ducts are not located within conditioned space, builder must verify that either the postconstruction duct leakage to outdoors (PCO) is ≤ 8%, the post construction total duct leakage (PCT) is ≤ 12%, or the rough-in total duct leakage (RIT) with air handler installed is ≤ 6%. State which method was used to conduct the duct tightness test: _____

System	Method (DB, MBDS, AMBD)	Test (PCO, PCT, RIT)	CFM ₂₅	Area served (ft ²)	Result (%)
1	<u>DB</u>	<u>PCT</u>	<u>235</u>	<u>2179</u>	<u>476.36530</u>
2					
3					

*Note: This permanent certificate shall be posted on or in the electrical distribution panel or air handler. Certificate shall be completed by the builder or registered design professional. Where there is more than one value for each component, certificate shall list the value covering the largest area.